

10/712220

*Seife*

Attorney's Docket No. 84912

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Patent: 6,885,348 *B1*

Date of Issue: April 26, 2005

Inventors: Marvin L. Ryken, Jr; Albert F. Davis; and Steven J. Renga

Title of Invention: TEST CHAMBER FOR A LOW BAND ANTENNA ARRAY

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Certificate  
AUG 02 2005  
of Correction

ATTENTION: Certificate of Corrections Branch

REQUEST FOR CERTIFICATE OF CORRECTION OF PATENT  
FOR APPLICANT'S MISTAKE (37 CFR 1.323)

1. It is noted that an error appears in this patent of a

☐ clerical

☐ typographical

☒ minor

07/29/2005 SHASSEN1 00000032 500931 6885348  
01 FC:1811 100.00 DA

nature or character, as more fully described below. It occurred in good faith. Correction thereof does not involve such changes in the patent as would constitute new matter or would require re-examination. A certificate of correction is requested.

2. Statement of Facts:

The name of the patent attorney, David S. Kalmbaugh, who prepared and prosecuted the application which issued as the above-identified patent was misspelled on the title page due to a typographical mistake on PTOL-85. A copy of PTOL-85, is being submitted herewith.

The Assignee, The United States of America as Represented by the Secretary of the Navy, Washington, DC (US) was omitted on PTOL-85. A complete copy of the USPTO Notice of Recordation of Assignment Document including a copy of the Assignment for the above-identified patent is being submitted herewith.

3. Attached hereto, in duplicate, is Form PTO-44, with at least one copy being suitable

AUG 03 2005

**REQUEST FOR CERTIFICATE OF CORRECTION OF PATENT  
FOR APPLICANT'S MISTAKE (37 CFR 1.323)**

for printing.

4. The exact page and line number where the error occurs in the application file are:

On the Title Page, "Assignee: The United States of America as represented by  
the Secretary of the Navy, Washington, D.C. (US) "

On the Title Page, "Attorney, Agent, or Firm-David S. Kalmbaugh"

5. Please send the Certificate to:

Name: Commander  
NAWCWD  
Code K00000E

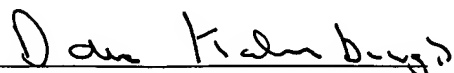
Address: 575 "I" Avenue Suite 1  
Point Mugu, CA 93042-5049

6. Please pay the fee of \$100.00, as required by 37 CFR 1.20(a), as follows:

☐ Enclosed is a check for \$100.00.

☒ Charge Deposit Account 50-0931 the sum of \$100.00. A duplicate of this request is attached.

☒ The Commissioner is hereby authorized to charge any additional fees which may be required or credit any overpayment to Deposit Account No. 50-0931.

  
David S. Kalmbaugh, Reg. No, 29,234

Tel. No.: (805) 989-8266



**UNITED STATES PATENT AND TRADEMARK OFFICE**

UNDER SECRETARY OF COMMERCE FOR INTELLECTUAL PROPERTY AND  
DIRECTOR OF THE UNITED STATES PATENT AND TRADEMARK OFFICE

JUNE 08, 2004

PTAS



\*102606187A\*

NAWCWD  
DAVID S. KAMBAUGH  
575 I AVENUE SUITE 1  
CODE: KOOOOE  
POINT MUGU, CA 93042-5049

**UNITED STATES PATENT AND TRADEMARK OFFICE  
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT**

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 11/12/2003

REEL/FRAME: 014707/0119  
NUMBER OF PAGES: 2

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).  
DOCKET NUMBER: 84912

ASSIGNOR:  
RYKEN, MARVIN L., JR.

DOC DATE: 11/03/2003

ASSIGNOR:  
DAVIS, ALBERT F.

DOC DATE: 11/03/2003

ASSIGNOR:  
RENGA, STEVEN J.

DOC DATE: 11/03/2003

ASSIGNEE:

NAVY, SECRETARY OF THE, AS  
REPRESENTED BY THE UNITED STATES  
OF AMERICA  
BALLSTON TOWER ONE, 800 N. QUINCY  
STREET  
CHIEF OF NAVAL RESEARCH, OFFICE OF  
COUNSEL, CODE 00CC  
ARLINGTON, VIRGINIA 22217-5660

SERIAL NUMBER: 10712220

FILING DATE: 11/12/2003

PATENT NUMBER:

ISSUE DATE:

TITLE: TEST CHAMBER FOR A LOW BAND ANTENNA ARRAY

JEFFREY OLSEN, EXAMINER  
ASSIGNMENT DIVISION  
OFFICE OF PUBLIC RECORDS

11-21-2003

SHEET

U. S. DEPARTMENT OF COMMERCE  
U. S. Patent and Trademark Office

102606187

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies)

Marvin L. Ryken, Jr  
Albert F. Davis  
Steven J. Renga

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance:

☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Other

Execution Date: 11/3/2003

2. Name and address of receiving party (ies)

Name: Secretary of the Navy as Represented by  
The United States of America

Internal Address:  
Chief of Naval Research,  
Office of Counsel, Code 00CC  
Street Address: Ballston Tower One  
800 N. Quincy Street

City: Arlington State: VA Zip: 22217-5660

Additional name(s) & address(es) attached? ☐ Yes ☒ No

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is: 12 Nov 2003

A. Patent Application No. (s)

Navy Case No. 84912  
Serial No.

B. Patent No. (s)

Additional numbers attached? ☐ Yes ☐ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: David S. Kalmbaugh

Internal Address: NAWCWD Code: K00000E

Street Address: 575 I Avenue Suite 1

City: Point Mugu State: CA Zip Code: 93042-5049

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41) ..... \$40.00

☐ Enclosed

☒ Authorized to be charged to deposit account

8. Deposit account number:

50-0931

DO NOT USE THIS SPACE

9. Signature

David S. Kalmbaugh 29,234  
Name of Person Signing

*David Kalmbaugh*  
Signature

12 Nov 2003  
Date

Total number of pages including cover sheet, attachments, and documents: 2

## ASSIGNMENT

WHEREAS, WE MARVIN L. RYKEN, JR. of OXNARD, CALIFORNIA, STEVEN J. RENGHA of CAMARILLO, CALIFORNIA and ALBERT F. DAVIS of VENTURA, CALIFORNIA while employed by the Government of the United States, have invented certain new and useful improvements in:

### TEST CHAMBER FOR A LOW BAND ANTENNA ARRAY

identified as Navy Case No. 84912 described in application for Letters Patent of the United States of America executed by us on November 3, 20 03; and

WHEREAS, the Government of the United States, represented by the Secretary of the Navy and hereinafter referred to as the Government, is desirous of acquiring an assignment of the invention disclosed in said application and other rights and benefits herein granted; and

WHEREAS, the conditions under which the invention was made are such as to entitle the Government under Paragraph 1(a) of Executive Order 10096, to the entire right, title and interest therein, including foreign rights; and

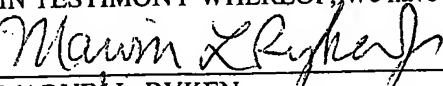
WHEREAS, as to foreign rights, it is the policy of the Government to obtain an option to exercise such rights;

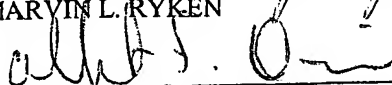
NOW, THEREFORE, in consideration of the premises and other good and valuable consideration the receipt of which is hereby acknowledged, we hereby assign and transfer to the Government the entire right, title and interest in and to said invention within the United States of America, its territories and possessions, and the entire right, title and interest in and to said application and any continuation, division or substitution thereof, and such Letters Patent to be held by the Government to the end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by us had this assignment not been made.


We do hereby also grant unto the Government, the option to take the entire right, title and interest in the invention and all patent applications or other forms of protection thereon in all countries foreign to the United States in which the Government may file, or cause to be filed, applications for Letter Patent or other forms of protection, without payment of any consideration; provided, however that this grant of an option to take foreign rights in the invention, or applications or other forms of protection thereon, shall have force and effect only as to such applications filed in foreign countries within six months of the filing date of any application for United States Letter Patent covering the invention, or within six months from the declassification of the invention, whichever is later, and that all foreign rights exercised under the option are left to us subject to a nonexclusive, irrevocable, royalty-free license to the Government in any patent or other form of protection which may issue on said invention in any foreign country, including the power to issue sublicenses for use in behalf of the Government and/or in furtherance of the foreign policies of the Government.

We hereby further agree to make, execute, and deliver to the Government, any and all papers, documents, affidavits, statements, or other instruments that may be necessary in the prosecution of the application and of any continuation, division or substitution of the application, or any application for reissue or extension of said Letters Patent, and to assist the Government in every way in protecting the invention as may be requested, provided that any expense arising through such efforts will be paid by the Government.

IN TESTIMONY WHEREOF, We have set our hand and affixed our seals.

  
MARVIN L. RYKEN

  
ALBERT F. DAVIS

  
STEVEN J. RENGHA

Date 11/03/2003

Date 11/03/2003

Date 11/03/03

## ART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail

Mail Stop ISSUE  
 Commissioner for Patents  
 P.O. Box 1450  
 Alexandria, Virginia 22313-1450  
 or Fax (703) 746-4000

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications.

CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)

Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.

24129 7590 01/04/2005

NAVAIRWD COUNSEL GROUP  
 575 "I" AVE, SUITE 1 (CODE K00000E)  
 BUILDING 36, ROOM 2308  
 POINT MUGU, CA 93042-5049



## Certificate of Mailing or Transmission

I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO (703) 746-4000, on the date indicated below.

TRUDI SLONE

(Depositor's name)

(Signature)

JANUARY 19, 2005

(Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/712,220	11/12/2003	Marvin L. Ryken JR.	84912	8458

TITLE OF INVENTION: TEST CHAMBER FOR A LOW BAND ANTENNA ARRAY

APPLN. TYPE	SMALL ENTITY	ISSUE FEE	PUBLICATION FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1400	\$0	\$1400	04/04/2005

EXAMINER	ART UNIT	CLASS-SUBCLASS
NGUYEN, HOANG V	2821	343-703000

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).

- ☐ Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.  
☐ "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required.

2. For printing on the patent front page, list

- (1) the names of up to 3 registered patent attorneys or agents OR, alternatively,  
 (2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.

1 DAVID S. KALBAUGH

2

3

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed for recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE

(B) RESIDENCE: (CITY and STATE OR COUNTRY)

Please check the appropriate assignee category or categories (will not be printed on the patent): ☐ Individual ☐ Corporation or other private group entity ☒ Government

4a. The following fee(s) are enclosed:

- ☒ Issue Fee  
☐ Publication Fee (No small entity discount permitted)  
☒ Advance Order - # of Copies 6

4b. Payment of Fee(s):

- ☐ A check in the amount of the fee(s) is enclosed.  
☐ Payment by credit card. Form PTO-2038 is attached.  
☒ The Director is hereby authorized by charge the required fee(s), or credit any overpayment, to Deposit Account Number 50-0931 (enclose an extra copy of this form).

5. Change in Entity Status (from status indicated above)

- ☐ a. Applicant claims SMALL ENTITY status. See 37 CFR 1.27. ☐ b. Applicant is no longer claiming SMALL ENTITY status. See 37 CFR 1.27(g)(2).

The Director of the USPTO is requested to apply the Issue Fee and Publication Fee (if any) or to re-apply any previously paid issue fee to the application identified above.

NOTE: The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant; a registered attorney or agent; or the assignee or other party in interest as shown by the records of the United States Patent and Trademark Office.

Authorized Signature

Date JANUARY 19, 2005

Typed or printed name DAVID S. KALMBAUGH

Registration No. 29,234

This collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

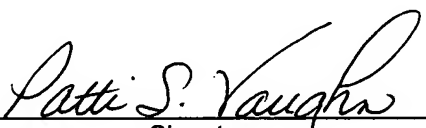
**Certificate of Mailing under 37 CFR 1.8**

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to:

Mailstop:

Comissioner for Patents  
PO Box 1450  
Alexandria VA 22313-1450

on 26 Jul 2005  
Date

  
Signature

PATTI S. VAUGHN, Legal Assistant  
Typed or printed name of person of signing Certificate

Note: Each paper must have its own certificate of mailing, or this certificate must identify each submitted paper.

Attorney Docket No. 84912

Patent No.: 6,885,348

Request for Certificate of Correction of Patent  
for Applicant's Mistake (37 CFR 1.323)  
(Orig & Copy)

4 pgs

Certificate of Correction (Orig & Copy)

2 pgs

Copy, Recordation of Assignment

2 pgs

Copy, Recordation Form Cover Sheet

1 pg

Copy, Assignment

1 pg

Copy, Fee Transmittal

1 pg

Return Receipt Postcard

1 card

This collection of information is required by 37 CFR 1.53(b). The information is required or obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1.8 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.



**UNITED STATES PATENT AND TRADEMARK OFFICE  
CERTIFICATE OF CORRECTION**Page 1 of 1PATENT NO. : 6,885,348 **B1**

APPLICATION NO.: 10/712,220

ISSUE DATE : April 26, 2005

INVENTOR(S) : Marvin L. Ryken, Jr., Albert F. Davis, Steven J. Renga

It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

On the Title Page, Assignee: "The United States of America as  
represented by the Secretary of the  
Navy, Washington, DC (US)"

On the Title Page, "Attorney, Agent, or Firm - David S. Kalmbaugh"

MAILING ADDRESS OF SENDER ( COMMANDER (CODE K00000E)  
NAVAIR WEAPONS DIVISION  
575 "I" AVE SUITE  
POINT MUGU CA 93042-5049

This collection of information is required by 37 CFR 1.322, 1.323, and 1.324. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1.0 hour to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Attention Certificate of Corrections Branch, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

**AUG 08 2005**

**UNITED STATES PATENT AND TRADEMARK OFFICE  
CERTIFICATE OF CORRECTION**Page 1 of 1PATENT NO. : 6,885,348 **B1**

APPLICATION NO.: 10/712,220

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represented by the Secretary of the  
Navy, Washington, DC (US)"

On the Title Page, "Attorney, Agent, or Firm - David S. Kalmbaugh"

MAILING ADDRESS OF SENDER ( **COMMANDER (CODE K00000E)**  
**NAVAIR WEAPONS DIVISION**  
**575 "I" AVE SUITE**  
**POINT MUGU CA 93042-5049**

This collection of information is required by 37 CFR 1.322, 1.323, and 1.324. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1.0 hour to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: **Attention Certificate of Corrections Branch, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

*If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.*

**AUG 09 2005**